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U.S. DEPARTMENT OF LABOR  
Occupational Safety and Health Administration

Form Approved  
OMB No. 44-R1387

# MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,  
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

## SECTION I

MANUFACTURER'S NAME OAKITE PRODUCTS, INC.	EMERGENCY TELEPHONE NO. (201) 464-6900
ADDRESS (Number, Street, City, State, and ZIP Code) 50 Valley Road, Berkeley Heights, New Jersey 07922	
CHEMICAL NAME AND SYNONYMS	TRADE NAME AND SYNONYMS Oakite Stripper-DR
CHEMICAL FAMILY Solvent-Acid	FORMULA Proprietary

## SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS Methylene chloride	75	100PPM	FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
Formic acid				5	5PPM
Cresol/phenol mixture (skin)				5	5PPM

## SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	Unknown	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	1.235
VAPOR PRESSURE (mm Hg.)	Unknown	PERCENT VOLATILE BY VOLUME (%)	80
VAPOR DENSITY (AIR=1)	Unknown	EVAPORATION RATE (ether = 1)	<1
SOLUBILITY IN WATER (Used at full strength)	Negligible		
APPEARANCE AND ODOR - Dark brown, non-viscous liquid; vinegary-type odor.			

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	None	FLAMMABLE LIMITS	LeI	UeI
		Unknown		
EXTINGUISHING MEDIA Will not ordinarily burn or support combustion.				
SPECIAL FIRE FIGHTING PROCEDURES Full protective clothing including self-contained respiratory equipment should be used. Water may be used to keep fire-exposed containers cool. Water spray may be used to disperse vapors and flush spills away from exposures.				
UNUSUAL FIRE AND EXPLOSION HAZARDS None under ordinary conditions, but may form explosive mixtures in atmosphere having high oxygen content under pressure or flammable vapor-air mixture above 212°F.				

**SECTION V - HEALTH HAZARD DATA**

**THRESHOLD LIMIT VALUE** Mixture: unknown. See Section II. Water seal and wax-type vapor retardant reduce escape of volatile components.

**EFFECTS OF OVEREXPOSURE** Prolonged inhalation of vapor may cause symptoms ranging from light-headedness and headache to loss of consciousness. Exposure to high vapor concentrations causes eye and respiratory tract irritation. Direct contact causes burns of eyes and skin. May be absorbed through skin.

**EMERGENCY AND FIRST AID PROCEDURES**  
 For eyes, promptly flush with plenty of water for at least 15 minutes; get medical attention. For skin, remove contaminated clothing and shoes at once. Immediately wash affected areas thoroughly with soap and water.  
 Continue rinsing for at least 15 minutes. Wash clothing and shoes before reuse.  
 For inhalation, remove from exposure. In case of massive overexposure to vapors, contact a physician.

**SECTION VI - REACTIVITY DATA**

STABILITY	UNSTABLE		CONDITIONS TO AVOID Direct sunlight, heat, and open flame.
	STABLE	X	
INCOMPATIBILITY (Materials to avoid) Alkaline materials, chlorine-releasing materials.			
HAZARDOUS DECOMPOSITION PRODUCTS High vapor exposure to open flames or fires may produce fumes of chlorinated organic compounds. Thermal decomposition may yield acid fumes, carbon monoxide and carbon dioxide.			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID N/A
	WILL NOT OCCUR	X	

**SECTION VII - SPILL OR LEAK PROCEDURES**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**  
 Absorb with straw, sawdust or other absorbent material, sweep up and haul away. Wash area with water and detergent. Provide adequate ventilation. Keep away from heat sources and open flame. Employees cleaning up major spills should wear protective clothing and use respiratory protection.

**WASTE DISPOSAL METHOD**  
 Spent product containing films or coatings that have been removed should be hauled away. If pressure rinse is used, screen out solids and discharge rinse water according to federal, state and local regulations.

**SECTION VIII - SPECIAL PROTECTION INFORMATION**

**RESPIRATORY PROTECTION (Specify type)**  
 Not required under normal use conditions when ventilation is adequate.

VENTILATION	LOCAL EXHAUST	SPECIAL Use only with adequate ventilation.
	MECHANICAL (General)	OTHER

**PROTECTIVE GLOVES**  
 Rubber or other impervious material.

**EYE PROTECTION**  
 Safety goggles

**OTHER PROTECTIVE EQUIPMENT** Apron and/or other suitable protective clothing made of rubber or other impervious material; face shield as necessary. Recommend eye wash and safety shower near use area.

**SECTION IX - SPECIAL PRECAUTIONS**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**  
 Avoid prolonged or repeated breathing of vapor. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Suitable for general indoor storage at moderate temperature out of direct sunlight away from heat and open flame.

**OTHER PRECAUTIONS**  
 Wax may separate at low temperatures. Before opening, relieve any pressure build-up in container by loosening closure slowly. Keep container tightly closed when not in use. Always maintain water seal at approximately 10% of the total volume.

The information herein is given  
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